

Amendments to the claims

This listing of claims will replace all prior versions and listings of claims in the application.

1 (currently amended): ~~A transeutaneous immunization system, for immunizing a subject comprising: a transeutaneous immunization formulation; said immunization formulation comprising at least one antigen, and a marking formulation; said~~

A method for inducing an antigen specific immune response in a subject comprising applying a formulation to the skin of a subject, wherein said formulation comprises:

- a) at least one antigen derived from a pathogen,
 - b) at least one adjuvant present in an amount effective to induce said immune response to said at least one antigen;
 - c) a pharmaceutically acceptable carrier; and,
 - d) a marking formulation comprising at least one chemical indicator,
- wherein said adjuvant induces said antigen specific immune response in said subject, and wherein the presence of said chemical indicator is serving to provide a readily discernable indication of the use of said immunization formulation wherein said transeutaneous immunization system provides an antigen specific immune response in the subject following the application of said system to intact skin of said subject.

2-3 (Cancelled)

4 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator further provides an indication of the length of time to which said subject has been exposed to said ~~immunization~~ formulation.

5 (Currently amended): The ~~immunization system~~ method of claim 4, wherein said length of time is determinable by said chemical indicator taking on a color, changing color, or loosing the appearance of a color.

6 (Cancelled)

7 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator indication is discernable by visual or olfactory senses.

8 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator is formulated to deactivate said antigen after a specific time of exposure of said antigen to said subject.

9-10 (Cancelled)

11 (Currently amended): The ~~immunization system~~ method of claim [10] 1, wherein said chemical indicator is a fluorescent tag.

12 (Cancelled)

13 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator is selected from the group consisting of dye, ink, vital stain, Evans blue, ~~paint~~, natural colorings, oxides, chlorophyll, charcoals, chalks, ~~powders~~, pH indicators, peroxidase triggered or enzyme triggered compound, fluorescent compound, radioactive tag, ~~attached to beads~~ and gold particles.

14 (Currently amended): The ~~immunization system~~ method of claim 1, further comprising an applicator, said applicator being selected from the group consisting of a patch, cream, ointment, gel, and any combination thereof.

15 (Currently amended): The ~~immunization system~~ method of claim [10] 14, wherein said applicator is a patch.

16 (Currently amended): The ~~immunization system~~ method of claim 15, wherein said patch comprises a controlled release reservoir, a matrix, or a rate controlling membrane for stepped release of said ~~immunization~~ formulation.

17 (Cancelled)

18 (Currently amended): The ~~immunization system~~ method of claim [17] 1, wherein said ~~system~~ formulation is deliverable by means of an air gun.

19-25 (Cancelled)

26 (New): The method of claim 1, further comprising pre-treating said skin by tape stripping, washing, or swabbing with alcohol or acetone.

27 (New): The method of claim 1, further comprising applying said formulation to more than one application site on said subject.

28 (New): The method of claim 1, further comprising applying said formulation to a site overlying more than one draining lymph node.